

APPARATUS AND METHOD FOR OPTIMIZING TELECOMMUNICATION
NETWORK DESIGN USING WEIGHTED SPAN CLASSIFICATION FOR LOW
DEGREE OF SEPARATION DEMANDS

ABSTRACT

Based upon given demands, nodes, spans, speed hierarchy, equipment, weights, preferences and constraints, the apparatus and method disclosed creates an optimized network configuration by separating low degree of separation demands and employing functional analysis for equipment selection and functional analysis for demand routing. The method includes picking a cycle to place equipment on and routing demands on the cycle.